NAME & LOCATION OF MAJOR PARTS FOR THE HORNADY LOCK-N-LOAD™ POWER CASE PREP CENTER

INSTRUCTIONS FOR USING THE HORNADY LOCK-N-LOAD™ POWER CASE PREP CENTER

Thank you for purchasing the Hornady Lock-N-Load™ Power Case Prep Center. Please read these instructions before using this machine. If you have any questions about this machine, contact us at 1-800-338-3220.

Product Description:

The Hornady Lock-N-Load™ Power Case Prep Center features a powered Case Trimmer and six work stations for the following reloading tools: Chamfer Tool, Deburring Tool, Large & Small Primer Pocket Cleaning Heads and caliber specific case neck brushes. The Power Case Prep Center may also be used to deburr flash holes and uniform/ream primer pockets with optional accessories which are sold separately.

The Cam-Lock™ feature on the Hornady Lock-N-Load™ Power Case Prep Center locks the case in a removable Shell Holder for precise trimming. The Lock-N-Load™ Power Case Prep Center will only work with Hornady Shell Holders. (Hornady Shell Holders are sold separately) The Power Case Prep Center comes with a 5/64" hex wrench and seven interchangeable pilots to accommodate .22 cal, 6mm, .270 cal, 7mm, .30 cal, .38 cal and .45 caliber cartridges. Other pilots are available. Caliber specific pilots are used to align the case mouth on the cutting unit. The Hornady Lock-N-Load™ Power Case Prep Center is engineered to help you significantly improve the efficiency of your reloading process by combining several essential case prep tools into one unit.

General Information About Case Trimming:

Repeated firing and reloading results in the brass of a case flowing towards the case mouth. Reloaded cases grow in length because of these actions. When a case exceeds its maximum case length, it may contact the throat of a firearm. If this happens, the case will not release the bullet properly upon firing and chamber pressure will subsequently increase. Whenever a case grows longer than its maximum specified length it must be trimmed back to a length near the minimum for that caliber. Trim and maximum case length specifications for modern cartridges are published in the 7th Edition Hornady Handbook of Cartridge Reloading. Refer to this handbook for case trim specifications and other case prep topics.

Safety Precautions:

The Hornady Lock-N-Load™ Power Case Prep Center has been engineered with your safety in mind. The likelihood of an injury or property damage is reduced when these safety precautions are followed.

- Become thoroughly familiar with the machine by studying these instructions.
- Leave the machine unplugged until you are ready to prep cases and have read these instructions.
- Do not work on or near damp or wet surfaces.
- Plug power cord into a properly grounded outlet.
- Wear eye protection when operating the Power Case Prep Center.
- Do not use this machine if you're rushed for time and don't take shortcuts by attempting to bypass any of these instructions.

The Hornady Lock-N-Load™ Power Case Prep Center has an in line fuse to protect the motor from damage when the cutter is under too much load. If you try to trim off more than .050" at a time really fast you may put too much load on the motor which will blow the fuse. The fuse is a $1^{1/4}$ amp, 1/4" x $1^{1/4}$" fast acting glass fuse. You can purchase these at most automotive or electronic stores. Under normal use, you should never have to replace the fuse. NEVER USE A FUSE LARGER THAN $1^{1/4}$ AMP.

Instructions for Powered Case Prep Center:

(1) Secure the Hornady Lock-N-Load™ Power Case Prep Center to your reloading bench with four 1/2" diameter bolts, nuts and washers. Select a bolt length based on the dimensions of your reloading bench.

(2) Before you start trimming, make sure all cases have been full-length sized or neck sized with a reloading die.

(3) Check to make sure the power cord is NOT plugged in.

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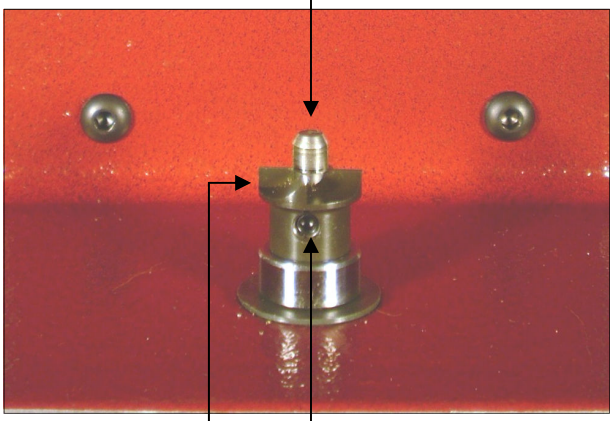

Fig. 1

Chip Catcher is not shown in Fig. 1

(4) Insert a caliber specific pilot into the cutter. e.g. use trimmer pilot # 1 for .223 Remington. Tighten pilot set screw with the 5/64" hex wrench. See *Fig. 1*.

(5) Loosen Main Adjustment Knob on the back of the machine and turn the Main Adjust Handle *Counter Clock Wise* so there is ample room between the Shell Holder and Trimmer Pilot. See preceding photo with name & location of major parts.

When you have installed a caliber specific pilot, focus your attention on the Position Screw which is located on the right side of the Spindle Platform. The bottom hole is used to accommodate short/medium cases and the upper hole is used for long cases. To check the initial position of the Shell Holder, insert a case into the Shell Holder Retainer and rotate it *Counter Clock Wise* to lock up the case. The slot in the Shell Holder should be facing the front of the machine. If it is not, pull down the T-Handle approximately 1/2" and un-screw the Position Screw. Rotate the Spindle Stop *Clock Wise* until the slot in the Shell Holder faces the front of the machine. Re-install the Position Screw in the upper or lower hole (Fig. 2).

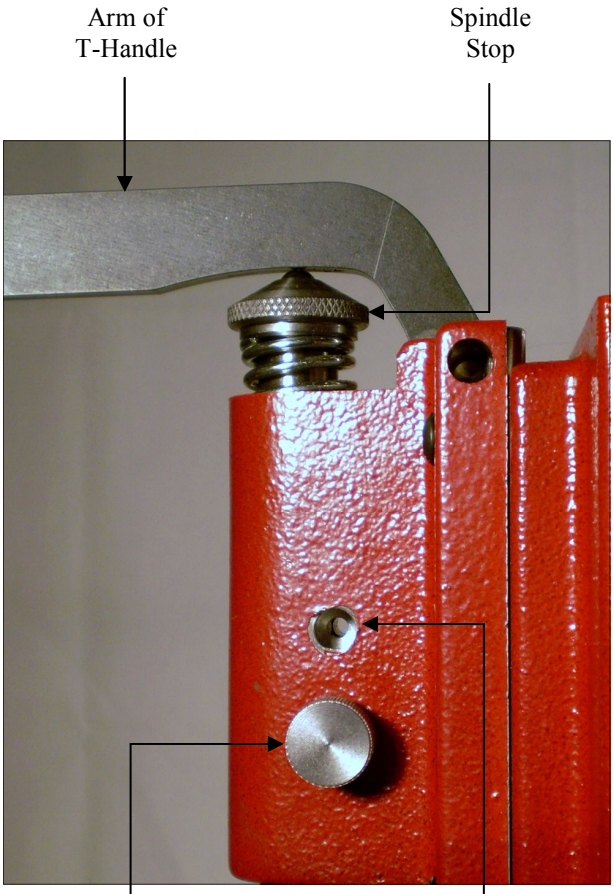

Fig. 2

Note: You may have to move the Spindle Stop *Clock Wise* or *Counter Clock Wise* to realign the Position Screw with the upper or lower hole. Snug the Position Screw once it's in position.

To remove the Shell Holder, screw the Shell Holder Retainer *Clock Wise* 1 turn and pull out the Shell Holder.

(6) Turn the Shell Holder Retainer *Clock Wise* 1 turn, pull out the Plunger or the Shell Holder and the Plunger. Insert the Plunger through the center hole of the Shell Holder. Check to make sure the O-Ring is between the Plunger and the Shell Holder. See *Fig. 3* on Page 3.

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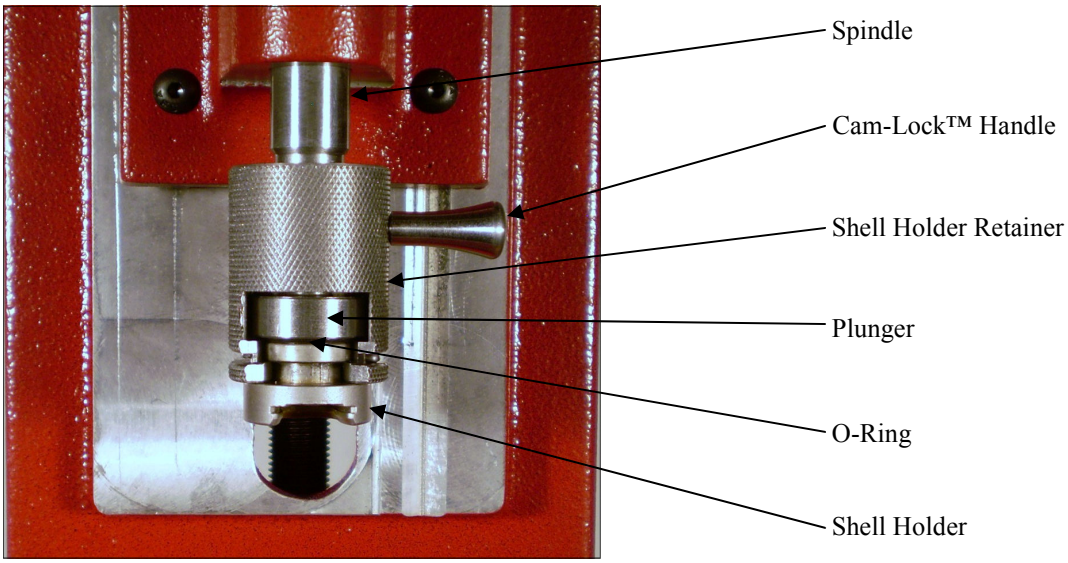

Fig. 3

(7) Replace the Shell Holder & Plunger and screw the Shell Holder Retainer *Counter Clock Wise* 1 turn.

(8) Guide a case specific Shell Holder into the Shell Holder Retainer until it snaps into place. e.g. use Hornady Shell Holder # 16 for .223 Remington

(9) Turn the Cam-Lock™ handle *Clock Wise* until the Plunger is flush with base of Shell Holder. Insert a case into the Shell Holder and turn the Cam-Lock™ handle *Counter Clock Wise*. This will lock the case in the Shell Holder.

Note: Check to make sure the slot in the Shell Holder Retainer is facing the front of the machine when you lock a case up in the Shell Holder.

(10) Loosen the Main Adjustment Knob (approximately 1/2 turn) and turn the Main Adjust Handle Counter Clock Wise until the case mouth is approximately 0.5" above the trimmer pilot with the T-handle in the up position (Fig. 4 & Fig. 5 on page 4).

(11) Tighten the Main Adjustment Knob and lower the T-handle to determine how much fine adjustment is needed until the case mouth makes contact with the trimmer cutter.

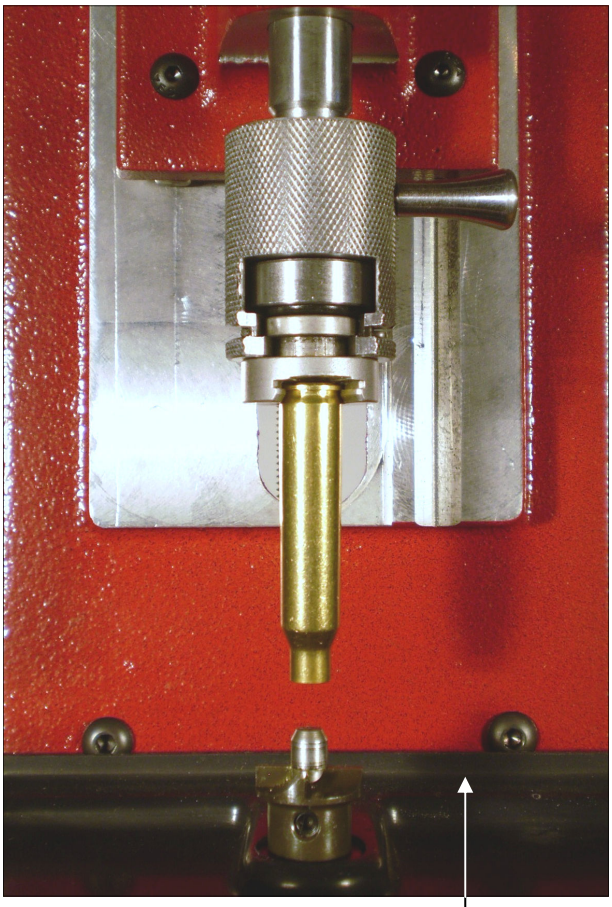

Fig. 4

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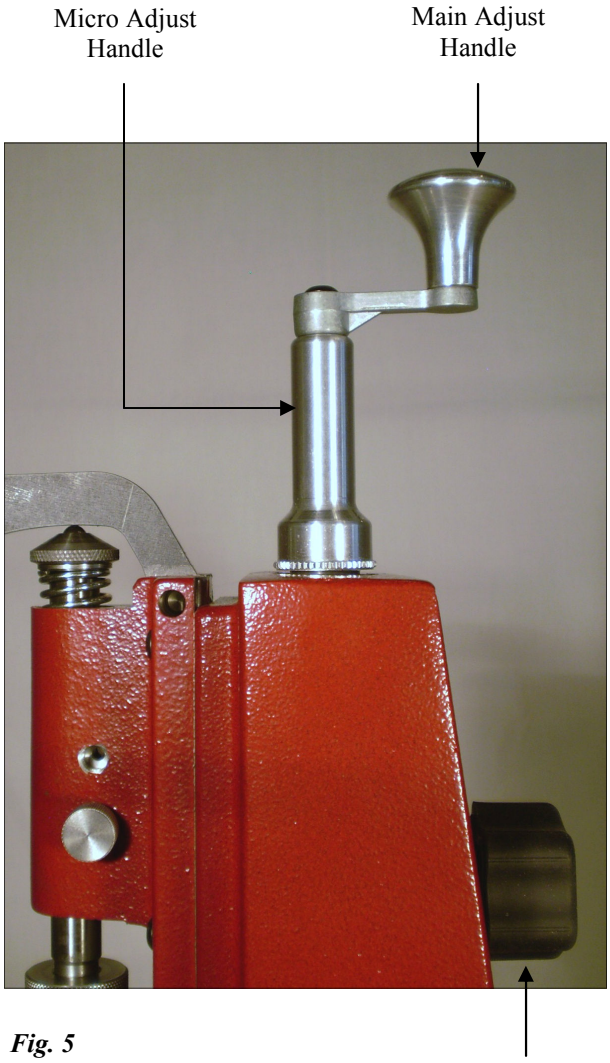

Fig. 5

(12) Loosen the Main Adjustment Knob (approximately 1/2 turn) and turn the Micro Adjust Handle *Clock Wise* or *Counter Clock Wise* until the case mouth barely touches the trimmer cutter.

Note: Each mark (knurl) on the Micro Adjust Handle is equivalent to .001" of vertical adjustment.

(13) Tighten the Main Adjustment Knob, plug in the power cord and press the on switch to start the case trimmer motor.

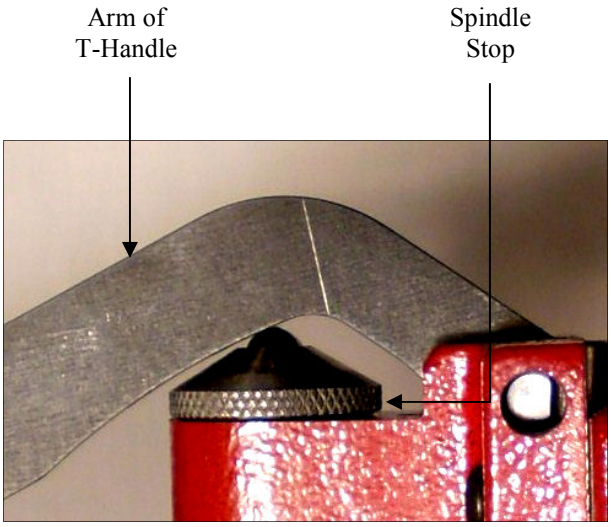

Fig. 6

(14) With the case in Shell Holder, lower T-Handle until it stops on the spindle support and trim case neck (Fig. 6).

(15) Raise the T-Handle, shut off the motor and remove the case from the Shell Holder by turning Cam-Lock™ handle in a *Clock Wise* direction.

(16) Measure case length and make adjustments by loosening the Main Adjustment Knob and turning the Micro Adjust Handle in a *Clock Wise* up or *Counter Clock Wise* down direction.

(17) Repeat steps 14-16 until desired trim length is obtained. Make sure the Main Adjustment Knob is tight when desired trim length is achieved.

Instructions for Powered Case Prep Tools:

Check to make sure the power cord is NOT plugged in and screw Chamfer Tool, Deburring Tool, Small & Large Primer Pocket Cleaners, Case Neck Brushes and optional Flash Hole Deburring Tool and/or Primer Pocket Reamer into the threaded sockets. You can arrange the various case prep tools in any manner that suits your wishes.

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Plug in the power cord and turn on the motor by pressing the switch on the back of the machine. Sit or stand directly in front of the Hornady Lock-N-Load™ Power Case Prep Center so you are not working at an angle.

Use the Primer Pocket Cleaner Heads and the Case Neck Brush to remove accumulated carbon deposits and powder residue from your cases after every reloading cycle. These tools are simple to use but we feel it would be helpful to cover some basic techniques.

To use the Primer Pocket Cleaner Head, grasp a fired case and guide the primer pocket to the small or large cleaner head. (use small head for small rifle calibers e.g. .223 Remington and large head for large rifle calibers. e.g. .243 Winchester) Apply *light* pressure for approximately 5 seconds or until carbon deposits are removed from the primer pocket. When you are satisfied with the condition of the primer pocket use the wire brush to remove powder residue from the case neck (Fig. 7).

If your cases require trimming then you will need to use the Chamfer and Deburring Tools. These tools are easy to use but we feel it would be helpful to cover the basic techniques.

Grasp a trimmed case and slowly guide the case mouth on to the point of Chamfer Tool with *light* pressure. Hold the case on the Chamfer Tool for approximately 5 seconds or until the tool produces a very small bevel on the inner surface of the case mouth. This will make bullet seating easier (Fig. 7).

When you are satisfied with the bevel on the case mouth remove the burr from the outer surface of the case neck by guiding the case mouth to the spindle of the Deburring Tool. Apply *light* pressure and hold case on the Deburring Tool for approximately 5 seconds or until the burrs are removed from the outer surface of the case neck.

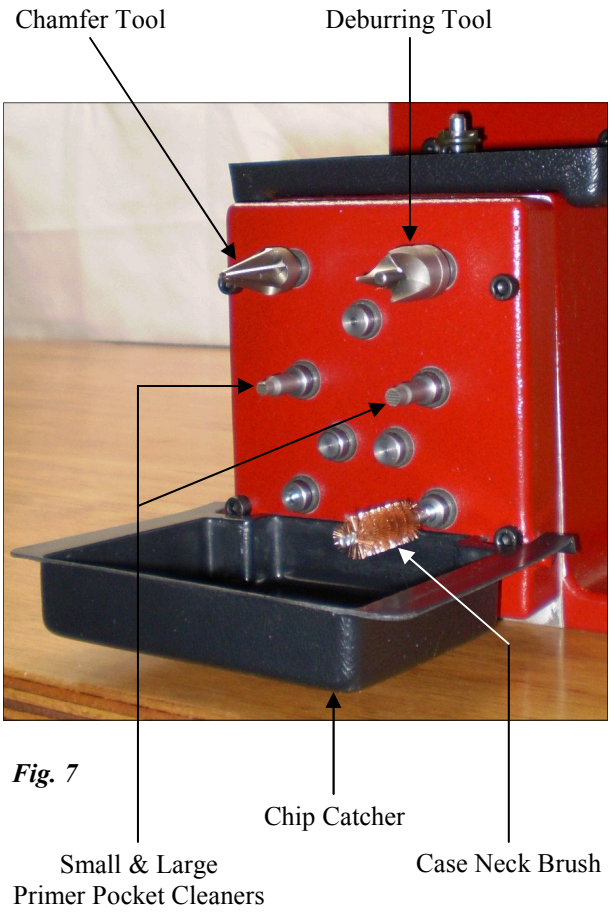

Fig. 7

The optional Flash Hole Deburr Tool and Primer Pocket Uniformer were developed with the competitive shooter in mind. When most cases are manufactured, a burr is left inside the flash hole. A burr can cause erratic powder ignition which adversely effects the accuracy of ammunition. The Flash Hole Deburr Tool is used to remove small burrs inside the case which insures more uniform ignition characteristics. If you wish to remove burrs from your flash holes, insert the case mouth down the shaft of the tool until it makes contact with the shoulder of a caliber specific pilot. Hold the case in this position for approximately 5 seconds or until you feel no resistance between the cutting blade and the primer pocket.

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The Primer Pocket Uniformer is designed to cut the depth of primer pockets to correct SAAMI specifications and remove accumulated carbon deposits simultaneously. To use this accessory, grasp a fired or unfired case and guide the primer pocket to the small or large uniformer. Apply *light* pressure for approximately 5 seconds or until you are satisfied with the condition of the primer pocket.

The optional Primer Pocket Reamer was designed for shooters who recycle military brass for their hand loaded ammunition. Before you use the Primer Pocket Reamer make sure you have removed the spent primer with a full-length die or decapping pin. To use the tool simply position the primer pocket on the small or large cutting head and hold it in this position with *light* pressure until the crimp has been removed.